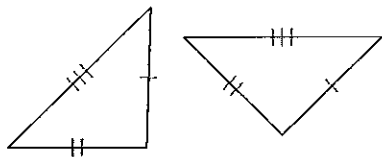


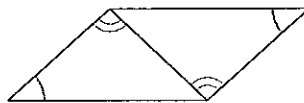
# Assignment

State if the two triangles are congruent. If they are, state how you know.

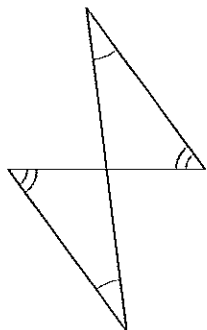
1)



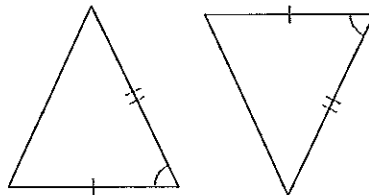
2)



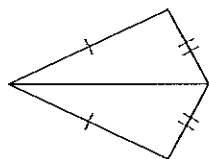
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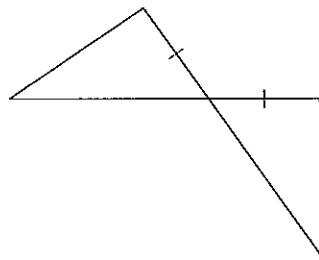
4)



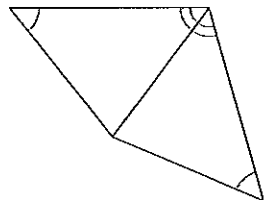
5)



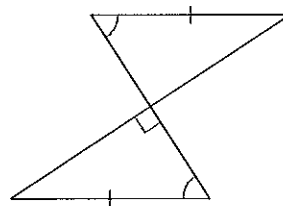
6)



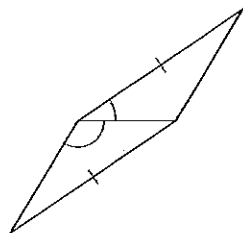
7)



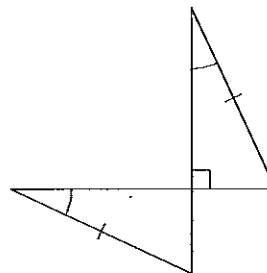
8)



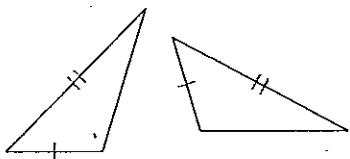
9)



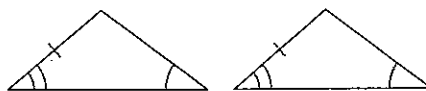
10)



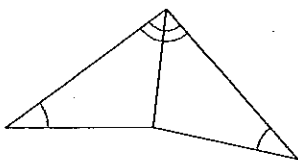
11)



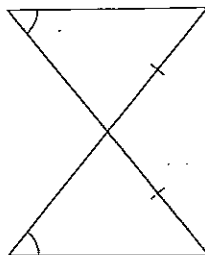
12)



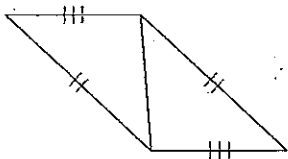
13)



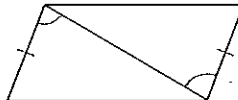
14)



15)



16)



Solve each equation.

1)  $-3(4 - 2r) = -3(7r + 4)$

3)  $-10(b - 12) - 2b = -12(3b + 10)$

5)  $-3(x + 4) = 3(1 - 6x)$

7)  $2 + 7(n + 9) = -3(2n + 6) - 8$

9)  $-2(5 + 12b) + 5b = -4(7 + 4b)$

2)  $3(1 + 3m) + 3(1 + 3m) = 2m + 10m$

4)  $2(2 - 10m) = 6 - (2 + 2m)$

6)  $-5(x - 4) = -5x - 83$

8)  $10k - 6 = -3(4k + 10) - 11(2 - 2k)$

10)  $6m + 9(m + 5) = 12 + 8(4 + 2m)$